## (FILE 'HOME' ENTERED AT 10:45:22 ON 23 OCT 2009)

355 S (BILEVEL OR DUAL) (3N) OPTIMIZATION

0 S BIOENGINEERING OBJECTIVE FUNCTION

13 DUP REM L23 (13 DUPLICATES REMOVED)

0 S CELLULAR OBJECTIVE FUNCTION

26 S L4 AND L5

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, COMPUSCIENCE, BIOTECHNO' ENTERED AT 10:45:56 ON 23 OCT 2009 240 S ("MARANAS C"/AU OR "MARANAS C D"/AU OR "MARANAS COSTAS D"/AU) L2 83 S ("BURGARD A"/AU OR "BURGARD A P"/AU OR "BURGARD ANTHONY"/AU O L3 31 S ("PHARKYA P"/AU OR "PHARKYA PRITI"/AU) L4 269 S L1 OR L2 OR L3 L5 6974 S METABOLIC ENGINEERING L6 17496419 S METHOD 29 S MAXIMIZING GROWTH RATE L7 L8 61 S LACTATE OVERPRODUCTION L9 1753 S METABOLIC FLUX ANALYSIS L10 542 S FLUX BALANCE ANALYSIS L11 1335 S (CELL MODELLING) OR (CELL MODELING) L12 2341 S CELL SIMULATION L13 3 S BIOCHEMICAL PATHWAY SIMULATION L14 6652 S METABOLIC FLUX L15 1045 S FLUX BALANCE 9847 S OPTIMIZATION PROBLEM L16 L17 8973 S LINEAR PROGRAMMING L18 8551 S OBJECTIVE FUNCTION 3 S COUPL? (5N) OBJECTIVE FUNCTIONS T.19

L21 L22 L23 L24

T.20